

The Council for Tobacco Research-USA, Inc.
Grant No. 3434

Cold Spring Harbor Conference on
"The Cytoskeleton and Cell Function"
April 28 - May 2, 1993

ARRANGED BY:
David Helfman, Cold Spring Harbor Laboratory
Elizabeth Raff, Indiana University

The 1993 meeting on The Cytoskeleton and Cell Function covered all aspects of the cytoskeleton, including actin filaments, intermediate filaments, and microtubules. Talks focused on the function of the cytoskeleton in various biological processes, including development and differentiation, pathological aspects of contractile and cytoskeletal systems, cell communication, intracellular trafficking and organelle movement, and cell shape and morphogenesis. The fundamental importance of the cytoskeleton in cellular functions rendered the subject of the conference of interest to investigators from a wide number of disciplines including cell biologists, biochemists, molecular biologists, and developmental biologists. A broad range of experimental systems were discussed including yeast, *Dictyostelium*, flies, and vertebrates. A major theme of the meeting was the increasing use in cell biology of multidisciplinary approaches including powerful genetic and molecular tools. Another meeting on the cytoskeleton is scheduled for 1995.

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PROGRAM

Actin Filament Assembly and Dynamics

Chairperson: P. Matsudaira, Massachusetts Institute of Technology

Cell Movement

Chairperson: S. Zigmond, University of Pennsylvania

Microtubule Assembly and Dynamics

Chairperson: D. Cleveland, Johns Hopkins University

Cell Division

Chairperson: R. McIntosh, University of Colorado

Intermediate Filaments

Chairperson: E. Fuchs, University of Chicago

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Molecular Motors: Intracellular

Chairperson: M. Mooseker, Yale University

Signal Transduction: Membrane-cytoskeleton Interactions

Chairperson: B. Geiger, Weizmann Institute

The Role of the Cytoskeleton in Development and Differentiation

Chairperson: E. Raff, Indiana University

Closing Remarks: David Helfman, Cold Spring Harbor Laboratory